

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
HOBBS OGD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-09919
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No. B-9188
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		7. Lease Name or Unit Agreement Name Northeast Drinkard Unit (NEDU) / 22503
4. Well Location Unit Letter <u>H</u> : 1980 feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>15</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number <u>613</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3440' GL		9. OGRID Number 873
		10. Pool name or Wildcat Eunice; B-T-D, North (22900)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL. ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: DEEPEN / RUN LINER / CTI ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to deepen this well, run a liner and convert to injection in the Drinkard formation, per the attached.

Spud Date:

11/20/1948

Rig Release Date:

12/20/1948

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 3/20/2017

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

[Signature]

TITLE

Petroleum Engineer

DATE

03/31/17

Conditions of Approval (if any):

NEDU 613: Deepen Well, Run Liner, and Convert Well to Injection in the Drinkard Formation

API: 32-025-09919

March 16, 2017

Day 0: Prior to start of workover: Schedule and install buried fiberglass injection line.

Day 1/2: MIRU. POOH and LD pump and rods. ND WH and NU BOPs. POOH and LD 2-3/8" production tubing.

Day 3: RIH w/ 4-3/4" bit on 2-7/8" work string. Tag and drill out CIBP at 6641' (Should be about 1/2 of a CIBP left). RU Foam N2 Unit as required.

Day 4: Continue cleaning out well and drill to new TD of 6769' (+/- 100' below proposed bottom perf)

Day 5: Continue to Drill out well to new TD at +/- 6769'. Circulate wellbore clean and POOH and LD 2-7/8" work string and bit.

Day 6: RU casing crew and equipment and RIH with 4-1/2" 11.6 lb/ft flush joint casing with float collar and float shoe to +/- 6769'.

RU cement crew, perform single stage cement job to surface consisting of 300 bbl fresh water flush, 80 bbl stop loss spacer, and 178 sacks of TXI Lite cement + additives (weight 12.5 ppg, yield 1.64 cf/sack, volume 52.0bbl), and 70 sacks of TXI Lite cement + additives (weight 13.2 ppg, yield 1.39 cf/sack, volume 17.3 bbl). Total 150% excess slurry of 69.4 bbl. Displace with 105 bbls fresh water (confirm all volumes).

Day 7: WOC

Day 8: RIH w/ 3-7/8" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6754'. Circulate clean. POOH

Day 9: MIRU WL and RIH w/ GR/CBL/CCL/CNL, log well from TD to surface, POOH

PU and RIH w/ 3-1/8" TAGs loaded with SDP charges and perforate the Drinkard @ 2 SPF, 90 deg phasing (estimated 70', 140 shots), POOH

PU and RIH w/ treating packer on 2-3/8" L-80 work string

Day 10: Cont. RIH w/ treating packer on 2-3/8" work string. Hydrotest tubing to 7500 psi while RIH. Set packer +/- 50' above top perf.

MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl while dropping RCN ball sealers (+/- 280 or 100% excess) at a rate of +/- 10 BPM. Max pressure 7500 psi

Note: Burst Pressure of 2-3/8" L-80 4# Tubing: 9840 psi

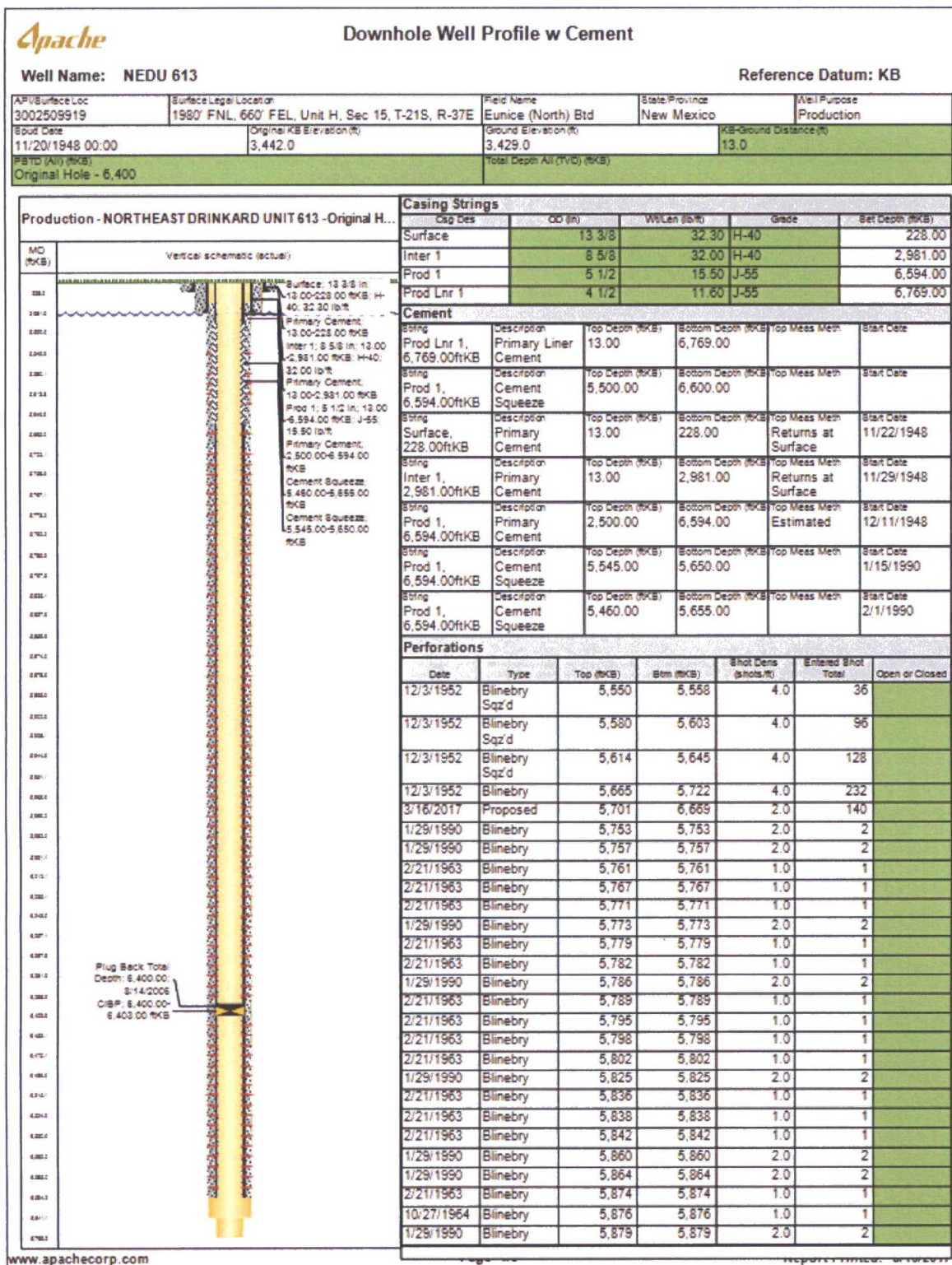
Note: 80% Burst Pressure of tubing: 7872 psi

Release packer. Run packer over perms to knock balls off perms. POOH

Day 11: PU and RIH with 4-1/2" injection packer with 2-3/8" IPC tubing subs, upper and lower profile nipples, and on/off tool on 2-3/8" work string. Set packer +/- 50' above top perf. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" L-80 work string.

Day 12: PU & RIH w/2-3/8" IPC injection tubing and on/off tool. Circulate packer fluid and latch onto packer with on/off tool. ND BOPs and NU WH. Pressure test casing to 500 psi. RDMO.

Day 13: Perform MIT test for NM OCD. Perform bottom hole static pressure test. Place well on injection.



Reference Datum: KB

Perforations

www.apachecorp.com

REPORT DATED: 01/01/2011



Downhole Well Profile w Cement

Well Name: NEDU 613

Reference Datum: KB

API/Surface Loc 3002509919	Surface Legal Location 1980' FNL, 660' FEL, Unit H, Sec 15, T-21S, R-37E	Field Name Eunice (North) Btd	State/Province New Mexico	Well Purpose Production
Bout Date 11/20/1948 00:00	Original KB Elevation (ft) 3,442.0	Ground Elevation (ft) 3,429.0	KB-Ground Distance (ft) 13.0	
PBTD (ft) (mKB) Original Hole - 6,400		Total Depth All (TVD) (ftKB)		

Production - NORTHEAST DRINKARD UNIT 613 - Original H...

Vertical schematic (actual)

Surface: 13 3/8 in.
13.00-228.00 ftKB; H-40: 32.30 lb/ft
Primary Cement:
13.00-228.00 ftKB
Inter 1: 5 5/8 in: 13.00
-2.981.00 ftKB; H-40:
32.00 lb/ft
Primary Cement:
13.00-2.981.00 ftKB
Prod 1: 5 1/2 in: 13.00
-6.594.00 ftKB; J-55:
19.50 lb/ft
Primary Cement:
2.500.00-6.594.00
ftKB
Cement Squeeze:
5.460.00-5.695.00
ftKB
Cement Squeeze:
5.545.00-5.690.00
ftKB

Plug Back Total
Depth: 6,400.00;
8/14/2006
CIBP: 6,400.00-
6,403.00 ftKB

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
CIBP	8/14/2006	6,400	6,400

Other In Hole

Description	OO (in)	Top (ftKB)	Run Date
CIBP	5 1/2	6,400	8/14/2006

Plug Back Total Depths

Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)
8/14/2006		6,400	

Comments

Comment

Proposed WBD (Proposed/Current Split)

